CST1204: Introduction to Databases

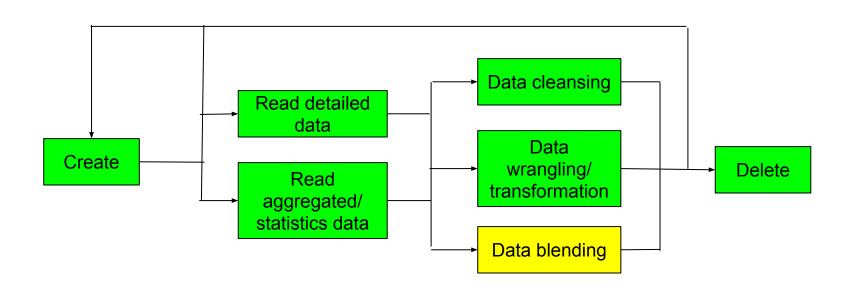
Jun Shan Adjunct Professor City Tech, CUNY

Week 11 Session 1 11/4/2019

Homework Review

- Chapter 4 exercise questions for Colonial Adventures 11, 12, 13, 17,
 19, 20, and two extra questions
- Chapter 8 exercise questions for Solmaris Condominium Group 1-3

Data Lifecycle Operations



Data Blending

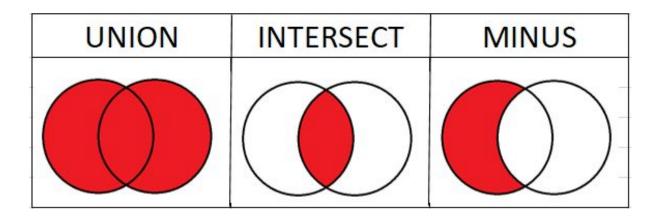
- Vertical Blending
 - Set operations



- Horizontal Blending
 - Join



Set Operations



UNION and UNION ALL

UNION: No repeating

```
SELECT <column_list> FROM <table_1>
UNION
SELECT <column_list> FROM <table_2>
```

UNION ALL: Will keep repeating rows

```
SELECT <column_list> FROM <table_1>
UNION ALL
SELECT <column_list> FROM <table_2>
```

Column lists must match each other (same for INTERSECT and MINUS)

INTERSECT and MINUS

INTERSECT

```
SELECT <column_list> FROM <table_1>
INTERSECT
SELECT <column_list> FROM <table_2>
```

MINUS

```
SELECT <column_list> FROM <table_1>
MINUS
SELECT <column_list> FROM <table_2>
```

TEST THREE on 11/06

- Same pattern for TEST TWO, THREE, FOUR, and FINAL
 - CREATE based on entity/relationship description
 - INSERT INTO
 - Update value in a column in the given row: regular value or NULL
 - Add a new column or modify an existing column
 - All sorts of SELECT ... WHERE ... GROUP BY
 - DROP this table

Homework

• Review previous homework